IN THE CLAIMS:

1. (Currently Amended) A method, comprising:

generating (30) a real-time video signal of the video image by a camera sensor of the image generating and processing block,

generating a real-time horizontally downscaled video signal using horizontal downscaling of the real-time video signal by the camera sensor using combining weighted pixels values according to a predetermined algorithm ~~without using a line memory~~, and

generating ~~the~~ a real-time vertically and horizontally downscaled video signal using vertical downscaling of the real-time horizontally downscaled video signal by a processing block of the image generating and processing block.

2. (Previously Presented) The method of claim 1, wherein said horizontal downscaling is performed without a line memory and before said generating the real-time vertically and horizontally downscaled video signal, the method further ~~comprising the step of~~comprises:

providing said real-time horizontally downscaled video signal from the camera sensor to the processing block through a camera compact port bus of the image generating and processing block.

3. (Cancelled)

4. (Cancelled)

5. (Previously Presented) The method of claim 1, further comprising:

providing the real-time vertically and horizontally downscaled video signal indicative of the video image through an internal bus to a real-time viewfinder display and displaying said video image on the real-time viewfinder display.

6. (Cancelled)

7. (Cancelled)

8. (Currently Amended) The method of claim ~~6~~ 1, wherein the image generating and processing block is a part of a camera-phone mobile device and the method further ~~comprising~~comprises:

encoding the real-time vertically and horizontally downscaled video signal by a video packing block of the image generating and processing block for generating an encoded video signal, and

providing said encoded video signal through a further internal bus to at least one of: a file/stream block and a phone memory of the camera-phone mobile device.

9. (Previously Presented) The method of claim 1, further comprising:

encoding the vertically and horizontally downscaled video signal by a video packing block of the image

generating and processing block for generating an encoded video signal.

10. (Currently Amended) An image generating and processing block, comprising:

a camera sensor, responsive to a video image, configured to generate a real-time video signal of the video image and further configured to generate a real-time horizontally downscaled video signal using horizontal downscaling of the real-time video signal using combining weighted pixels values according to a predetermined algorithm ~~without using a line memory~~; and

a processing block, responsive to the real-time horizontally downscaled video signal, configured to generate a real-time vertically and horizontally downscaled video signal using vertical downscaling of the real-time horizontally downscaled video signal.

11. (Previously Presented) The image generating and processing block of claim 10, wherein the camera sensor comprises a camera memory.

12. (Previously Presented) The image generating and processing block of claim 10, wherein the processing block comprises a processing memory.

13. (Previously Presented) The image generating and processing block of claim 10, wherein said horizontal downscaling is performed without a line memory and the

image generating and processing block further ~~comprising~~ comprises:

a camera compact port bus, responsive to the real-time horizontally downscaled video signal from the camera sensor, configured to provide the real-time horizontally downscaled video signal to the processing block.

14. (Currently Amended) A camera-phone mobile device, comprising:

an image generating and processing block configured to generate a real-time vertically and horizontally downscaled video signal of a video image, and configured to encode said real-time vertically and horizontally downscaled video signal for generating an encoded video signal, wherein said real-time vertically and horizontally downscaled video signal is horizontally downscaled first to provide a real-time horizontally downscaled video signal using combining weighted pixels values according to a predetermined algorithm without using a line memory; and

a real-time viewfinder display, responsive to the real-time vertically and horizontally downscaled video signal, configured to provide a display of the video image indicative by said real-time vertically and horizontally downscaled video signal.

15. (Currently Amended) ~~A~~ The camera-phone mobile device of claim 14, further comprising:

a file/stream block, responsive to the encoded signal, configured to provide a call connection to other mobile devices; and

a phone memory, responsive to the encoded signal, configured to provide the encoded signal.

16. (Currently Amended) ~~A~~ The camera-phone mobile device of claim 14, wherein the image generating and processing block comprises:

a camera sensor, responsive to the video image, configured to generate the real-time video signal of the video image and further configured to generate ~~a~~ said real-time horizontally downscaled video signal using horizontal downscaling of the real-time video signal; and

a processing block, responsive to the real-time horizontally downscaled video signal, configured to generate the real-time vertically and horizontally downscaled video signal using vertical downscaling of the real-time horizontally downscaled video signal.

17. (Previously Presented) The camera-phone mobile device of claim 16, wherein the processing block is a base band engine of the camera-phone mobile device.

18. (Previously Presented) The camera-phone mobile device of claim 16, wherein the camera sensor comprises a camera memory.

19. (Previously Presented) The camera-phone mobile device of claim 16, wherein the processing block comprises a processing memory.

20. (Previously Presented) The camera-phone mobile device of claim 16, further comprising:

a camera compact port bus, responsive to the real-time horizontally downscaled video signal from the camera sensor, configured to provide the real-time horizontally downscaled video signal to the processing block.

21. (New) A method, comprising:

generating a real-time video signal of the video image by a camera sensor of the image generating and processing block; and

generating a real-time horizontally downscaled video signal using horizontal downscaling of the real-time video signal by the camera sensor using combining weighted pixels values according to a predetermined algorithm without using a line memory.

22 (New) The method of claim 21, further comprising:

generating a real-time vertically and horizontally downscaled video signal using vertical downscaling of the real-time horizontally downscaled video signal by said camera sensor or by a processing block of the image generating and processing block.

23. (New) The method of claim 22, wherein pixel color components of a downscaled image comprised in said real-

time horizontally downscaled video signal have substantially equal phases.

24. (New) An electronic device, comprising:

a camera sensor, configured to generate a real-time video signal of the video image and further configured to generate a real-time horizontally downscaled video signal using horizontal downscaling of the real-time video signal by the camera sensor using combining weighted pixels values according to a predetermined algorithm without using a line memory.

25. (New) The electronic device of claim 24, wherein said camera sensor is still further configured to generate a real-time vertically and horizontally downscaled video signal using vertical downscaling of the real-time horizontally downscaled video signal.

26. (New) The electronic device of claim 24, wherein pixel color components of a downscaled image comprised in said real-time horizontally downscaled video signal have substantially equal phases.

27. (New) The camera-phone mobile device of claim 14, wherein the image generating and processing block comprises:

a camera sensor, responsive to the video image, configured to generate the real-time video signal of the video image and further configured to generate said real-time horizontally downscaled video signal using horizontal downscaling of the real-time video signal and is still further configured to generate a real-time vertically and

horizontally downscaled video signal using vertical downscaling of the real-time horizontally downscaled video signal.

28. (New) The method of claim 1, wherein pixel color components of a downscaled image comprised in said real-time horizontally downscaled video signal have substantially equal phases.

29. (New) The image generating and processing block of claim 10, wherein pixel color components of a downscaled image comprised in said real-time horizontally downscaled video signal have substantially equal phases.